

944530

CONFIDENTIAL

DUAL CHANNEL DELAY SENSING CIRCUIT

Abstract of the Disclosure

A circuit coupled to an array antenna, such as a sonar transducer array, for measuring the angle of orientation of an incident wave of radiation is formed of first and second channels coupled to respective portions of the antenna to sense delays between signals of the two channels. A memory retains data of earlier occurring lead and lag measurements. Any subsequent transition from a lead/lag to a lag/lead within a single signal pulse is sensed by a gating circuit which disards the measurement so as to provide noise immunity.

10

20

NATIONAL SECURITY INFORMATION
UNAUTHORIZED DISCLOSURE SUBJECT
TO CRIMINAL SANCTIONS

CLASSIFIED BY NAVSEA INST C5511.5 41 OCT 1974
EXEMPT FROM GDS E.O. 11652
EXEMPT CATEGORY #3
DECLASSIFY ON 31 DEC 2008
CONTRACT NO. N00024-75-C-6107

CONFIDENTIAL